

Claims:

1. A polymeric composition, comprising:

a) polymerizable units derived from at least one C₈ to C₃₀ alkyl (meth)acrylate monomer, and

5 b) at least one chain branching unit, said chain branching unit present in an amount not greater than 0.10 weight percent based on total weight of the C₈ to C₃₀ alkyl (meth)acrylate monomer,

wherein said chain branching unit results in the polymeric composition having non-gelled polymer chains, and wherein said non-gelled polymer chains have a weight average molecular weight of at least 100,000 g/mol.

2. The polymeric composition according to Claim 1, wherein the polymeric composition is in the form of polymer particles.

3. The polymeric composition according to Claim 2, wherein said polymer particles further comprise at least one hard phase and at least one soft phase, wherein said hard phase is situated external to each of said polymer particles.

4. The polymeric composition according to Claim 3, wherein said at least one hard phase comprises at least one hard polymer shell.

20 5. The polymeric composition according to Claim 4, wherein said at least one hard polymer shell comprises an inner polymer shell and an outer polymer shell, wherein said inner polymer shell is situated adjacent to each of said polymer particles, and said outer polymer shell is situated external to said inner polymer shell.

25 6. The polymeric composition according to Claim 4, further comprising a plurality of second polymer particles situated external to said hard polymer shell.

7. The polymeric composition according to Claim 3, wherein said at least one hard phase comprises a plurality of second polymer particles.
- 5 8. The polymeric composition according to any one of Claims 2 to 7, wherein the polymeric composition is in the form of at least one of the following: an emulsion, suspension, dispersion, slurry, syrup, wetcake, powder, tablet, pellet, bead, film, and extrudate.
- 10 9. A polymer blend composition, comprising at least the following:
- a) at least one thermoplastic polymer resin, and
 - b) at least one polymeric composition, said polymeric composition comprising:
 - i) polymerizable units derived from at least one C₈ to C₃₀ alkyl (meth)acrylate monomer, and
 - ii) at least one chain branching unit, said chain branching unit present in an amount not greater than 0.10 weight percent based on total weight of the C₈ to C₃₀ alkyl (meth)acrylate monomer,
- 15 wherein said chain branching unit results in the polymeric composition having non-gelled polymer chains, and wherein said non-gelled polymer chains have a weight average molecular weight of at least 100,000 g/mol.
- 20 10. The polymer blend composition according to Claim 9, wherein said thermoplastic polymer resin is polypropylene.